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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/720,086

DATE: 08/30/2001  
TIME: 07:25:26

Input Set : A:\0609 4560002 seq list.txt  
Output Set: N:\CRF3\08302001\I720086.raw

9 <110> APPLICANT: Li, En  
12 Okano, Masaki  
15 Xie, Shaoping  
21 <120> TITLE OF INVENTION: De Novo DNA Cytosine Methyltransferase Genes,  
25 Polypeptides & Uses Thereof  
33 <130> FILE REFERENCE: 0609.4560002  
41 <140> CURRENT APPLICATION NUMBER: US 09/720,086  
45 <141> CURRENT FILING DATE: 2000-12-20  
52 <150> PRIOR APPLICATION NUMBER: PCT/US99/14373  
56 <151> PRIOR FILING DATE: 1999-06-25  
64 <150> PRIOR APPLICATION NUMBER: 60/090,906  
68 <151> PRIOR FILING DATE: 1998-06-25  
76 <150> PRIOR APPLICATION NUMBER: 60/093,993  
80 <151> PRIOR FILING DATE: 1998-07-24  
88 <160> NUMBER OF SEQ ID NOS: 82  
96 <170> SOFTWARE: PatentIn Ver. 2.0  
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826	cgagggact	ggccggctct	tctttgagtt	ctaccgcctc	ctgcgtatgt	cgccggccaa	2460
828	ggagggagat	gatgcgttct	tcttcgttct	ctttgagaat	gtgggtggca	tgggcgttag	2520
830	tgacaagagg	gacatctcgc	gatttctcg	gtccaacccct	gtgtatgtt	atgccaaga	2580
832	atgtgtcagct	gcacacaggg	cccgctactt	ctggggtaac	cttcccggtt	tgaacaggcc	2640
834	gttggcatcc	actgtgaatg	ataagctgga	gctgcaggag	tgtctggagc	atggcaggat	2700
836	agccaaagttc	agcaaaagtga	ggaccattac	tacgagggtca	aactccataa	agcagggcaa	2760
838	agaccagcat	tttcctgtct	tcatgtatga	gaaagaggac	atcttatgtt	gcaactgaaat	2820
840	ggaaagggtt	tttggtttcc	cagtccacta	tactgacgtc	tccaaatcatga	gcccgttggc	2880
842	gagggcagaga	ctgctgggccc	ggtcatggag	cgtgcaggatc	atccgcacc	tcttcgttcc	2940
844	gctgaaggag	tattttgcgt	gtgtgttgg	gacatgggg	caaactgagg	tagcgtacaca	3000
846	aagttaaaca	aacaaacaaa	aaacacaaaa	cataataaaa	caccaagaac	atgaggatgg	3060
848	agagaagtat	cagcaccac	aagagaaaaaa	ggaattttaa	acaaaaacca	cagaggcgga	3120
850	aataccggag	ggctttgcct	tgcggaaagg	gttggacatc	atctcctgtat	ttttcaatgt	3180
852	tatttcttgcgt	tccttattttaa	aaacaaaacc	aagctccctt	cccttcctcc	cccttcctt	3240
854	tttttgcgt	cagacccctt	attttctact	cttttcagag	gggttttctg	tttgcgttgg	3300
856	tttttttct	tgctgtgtact	gaaacaagaa	ggttattgtca	gcaaaaaatca	gtaacaaaaa	3360
858	atagtaacaa	taccttgcag	aqaaaagggt	ggaggagagg	aaaaaaaggga	aatttttaaa	3420
860	gaaatctata	tattgggttgcgt	ttttttttttt	tggtttttgt	ttttttttttt	tgggttttttt	3480
862	ttttttacta	tatatctttt	ttttgttgcgt	tctagcctga	tcatgtatgtt	gcacaaggcag	3540
864	gggacggaaa	gagagagaca	ctcaggcgcc	agcattccct	cccagccact	gagctgtcgt	3600
866	gcacgcacca	ttccttgcgt	cgcaaaaacag	aacccaggtt	gcacgcaggga	gacgagaaca	3660
868	ccacacaaga	catttttcttgcgt	cagtatttca	ggtgccttacc	acacaggaaa	ccttgcgttgcgt	3720
870	aatcagtttgcgt	tagaaggccgc	tgttacctct	tgtttacagt	ttatataat	atgatagata	3780
872	tgagatataat	atataaaaagg	tactgtttaac	tactgtacaa	cccgacttca	taatgggtgt	3840
874	tccaaacacgcgt	gagatgagta	aaaacatcag	cttccacgtt	gccttcgtcg	caaagggttt	3900
876	caccaaggat	ggagaaaagg	agacagcttgcgt	cagatggcgc	gttctcacgg	tgggcgttcc	3960
878	cccttgggttgcgt	gtaacgaatgt	gaaggaggag	aacttgggag	ccaggttctc	cctgcacaaa	4020
880	agggggcttagt	atgaggttgcgt	cgggcccggt	gacagctgatc	agtgggttgcgt	atccagactc	4080

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY  
PATENT APPLICATION: US/09/720,086

DATE: 08/30/2001  
TIME: 07:25:28

Input Set : A:\0609 4560002 seq list.txt  
Output Set: N:\CRF3\08302001\I720086.raw

L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1  
L:4414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:4465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17  
L:4794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:4802 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:4940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:4998 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:5014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:5018 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:5071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:5075 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:5131 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:5274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:5282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:5286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:5290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:5294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30  
L:5339 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:5700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:5724 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:5728 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37  
L:5803 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:5807 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38  
L:5886 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:5890 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:5898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:5902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:5910 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:5914 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39  
L:5979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:5983 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40  
L:6033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:6045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41  
L:6120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42  
L:6168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:6180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43  
L:6293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45  
L:6330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46  
L:6414 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48  
L:6487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:6491 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:6495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:6511 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:6515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49  
L:6586 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:6590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50  
L:6933 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51  
L:6937 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/720,086

DATE: 08/30/2001

TIME: 07:25:28

Input Set : A:\0609 4560002 seq list.txt  
Output Set: N:\CRF3\08302001\I720086.raw

L:6941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51

L:6945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51